

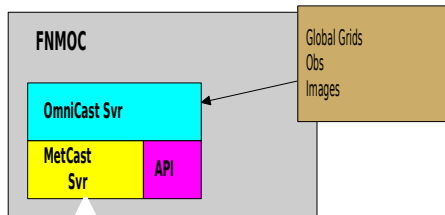
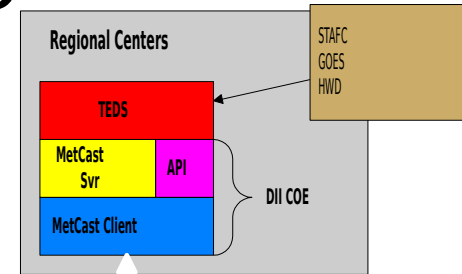
METCAST & JMV

Updated: January 24, 2001

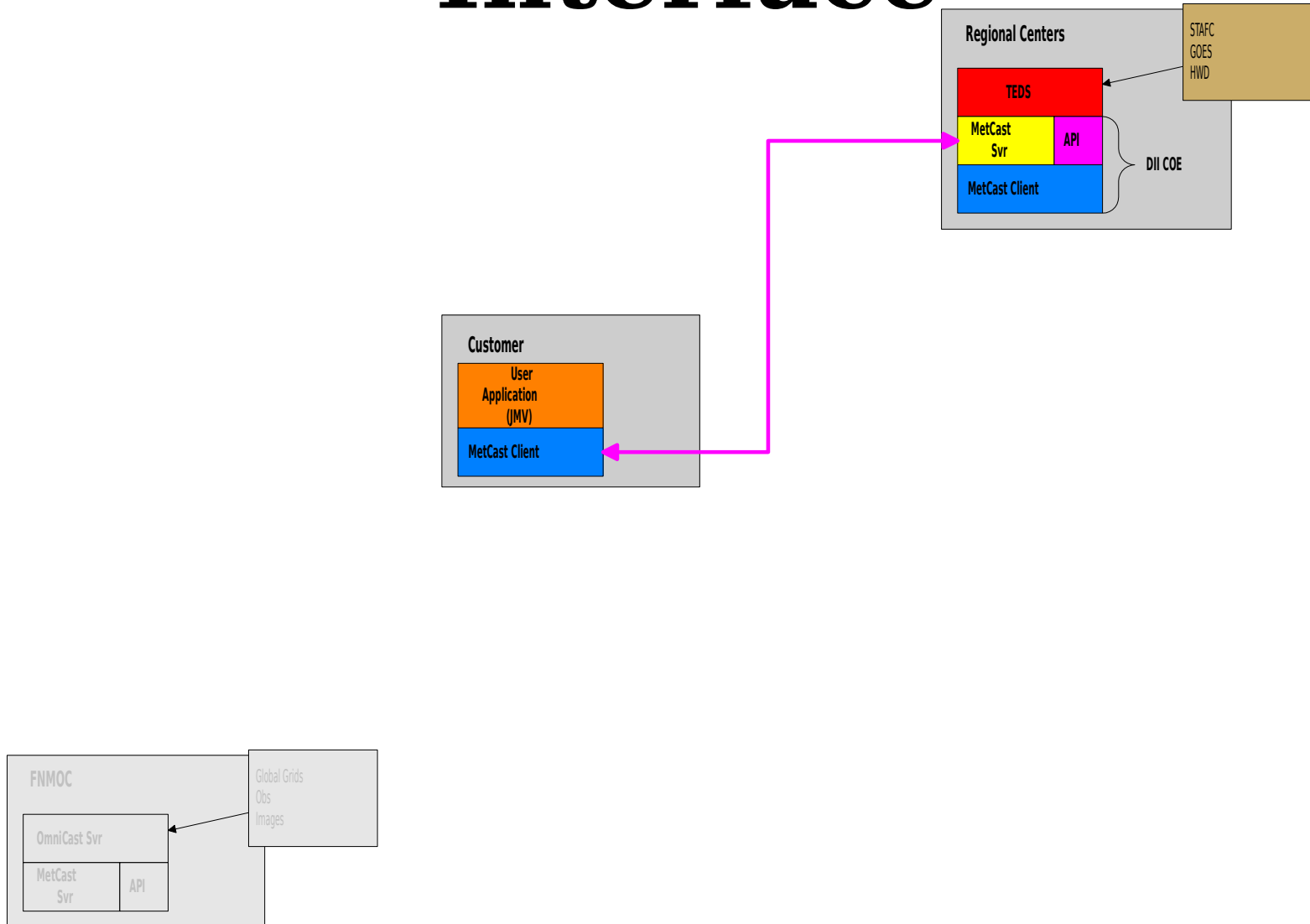
Communications

- Application independent
- Interface with TEDS and OMNICAST
- Dynamic Data Browser
- Use built in http protocol for data exchange

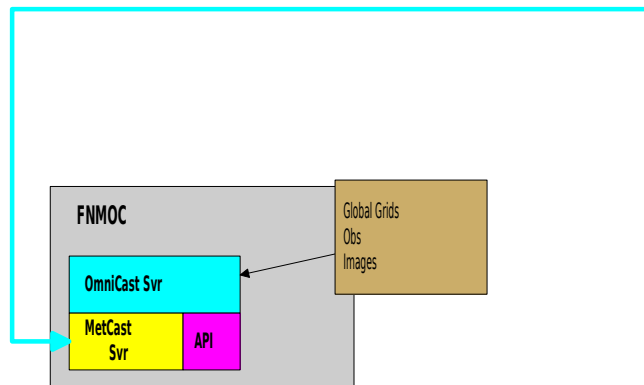
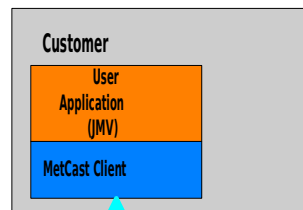
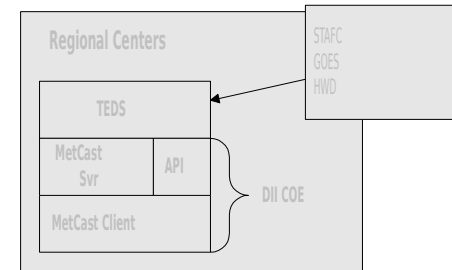
OmniCast/TEDS Interface



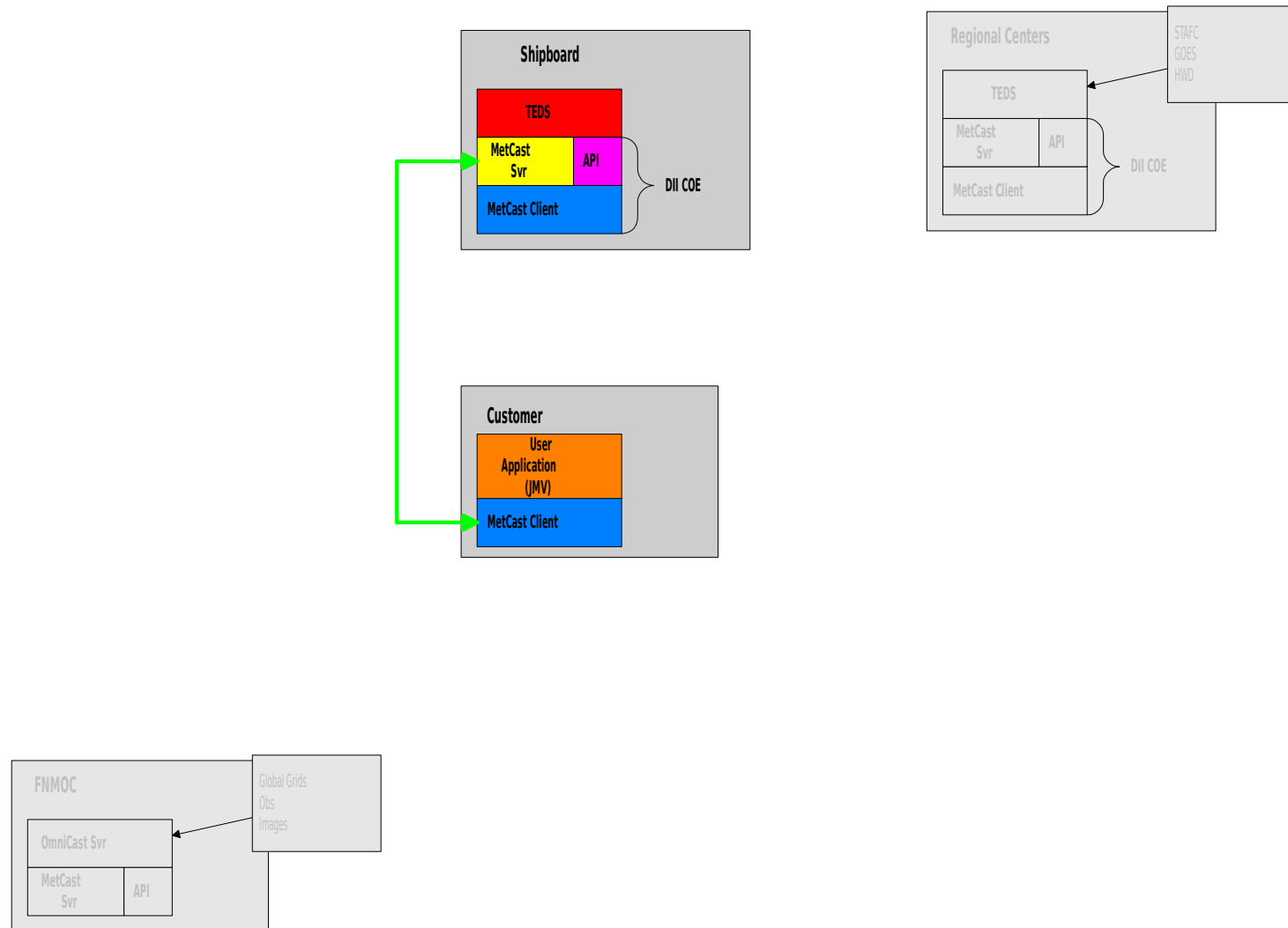
Regional Center Interface



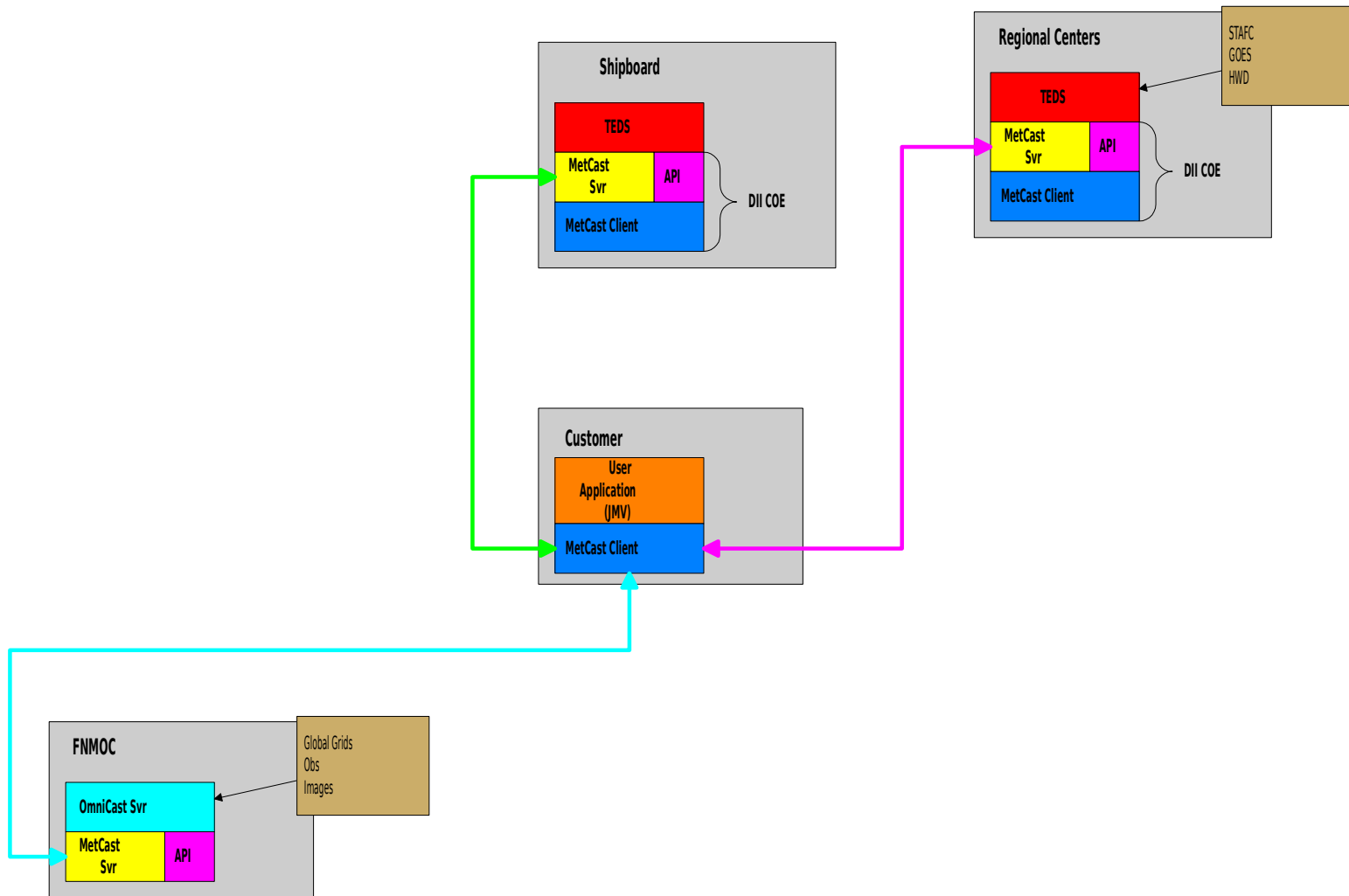
FNMOOC Interface



Shipboard TEDS Interface

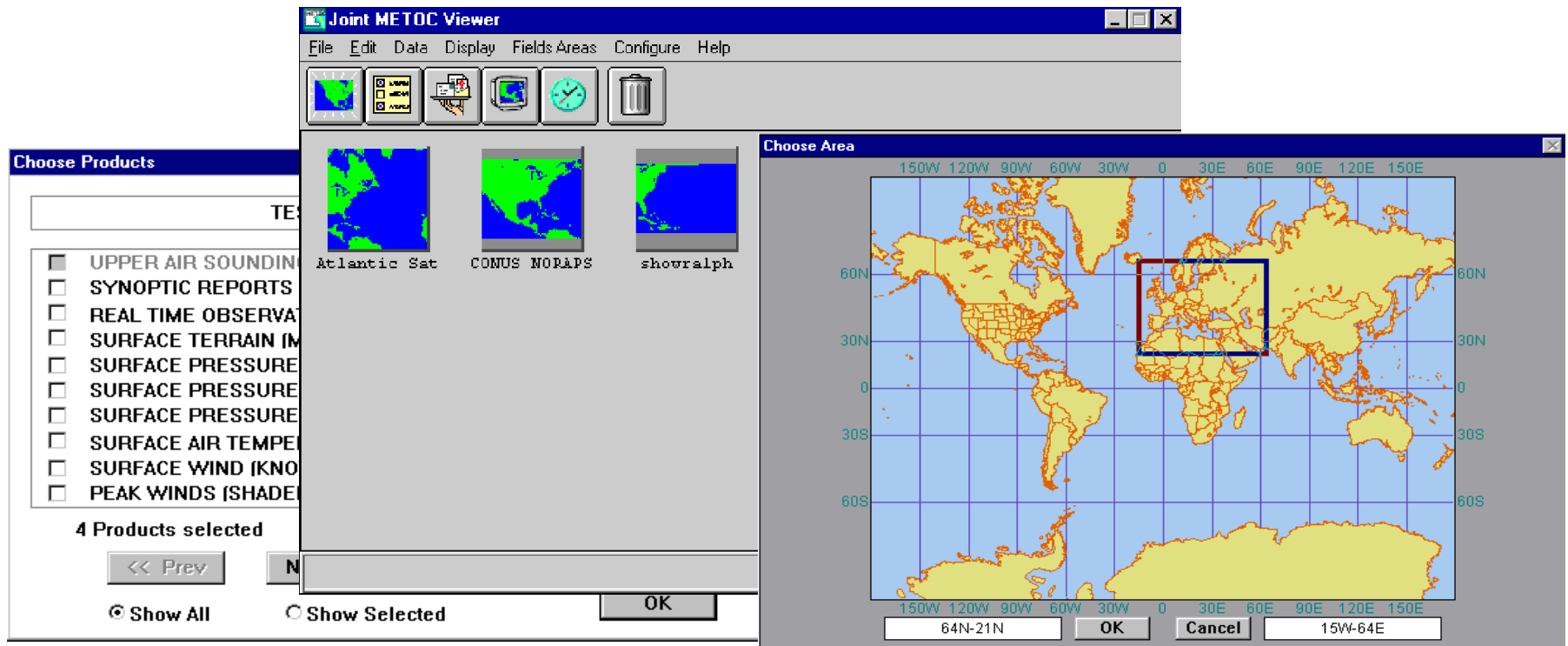


Complete Picture

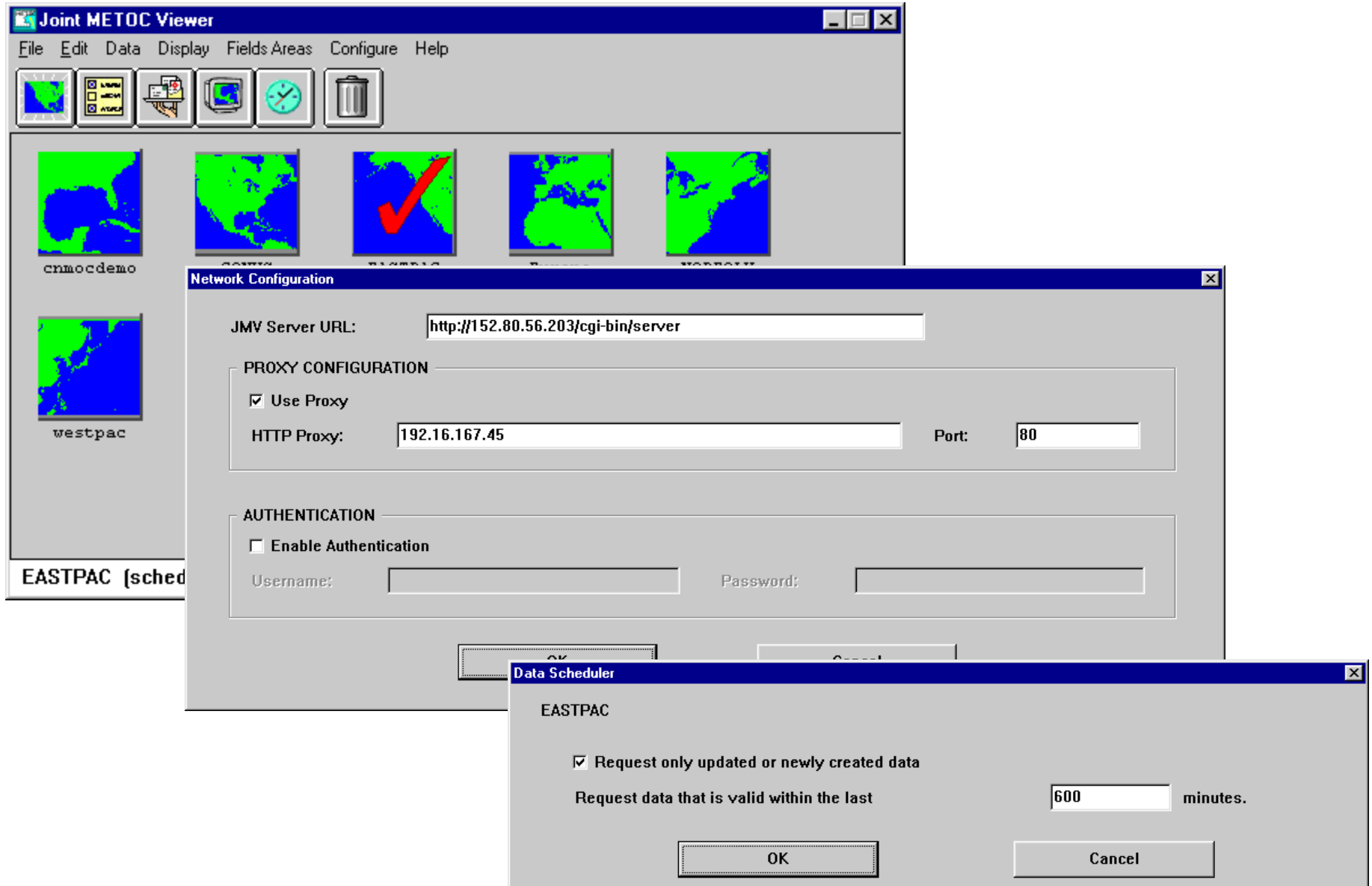


MetCast Product Selection

- Select Area of interest
- Existing Subgrids are displayed
- Select products from list supplied by database
- Establish schedule for each area of interest



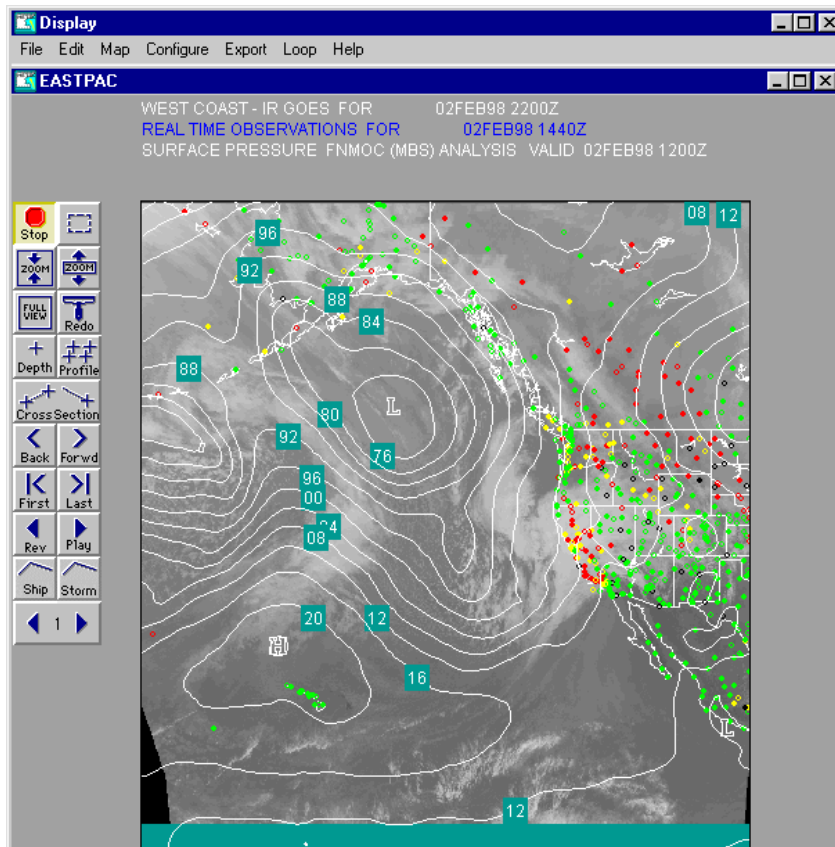
METCAST Client



JMV

The Next Generation

JMV Viewer



- RT Observations
- Images(GOES & DMSP)
- Ship Tracks
- Storm Tracks
- Enhanced Data selection (initial data browse)
- Satellite Thresholds
- OPARS flight plan
- WARNGEN builder
- GIF/JPEG export / html page auto builder

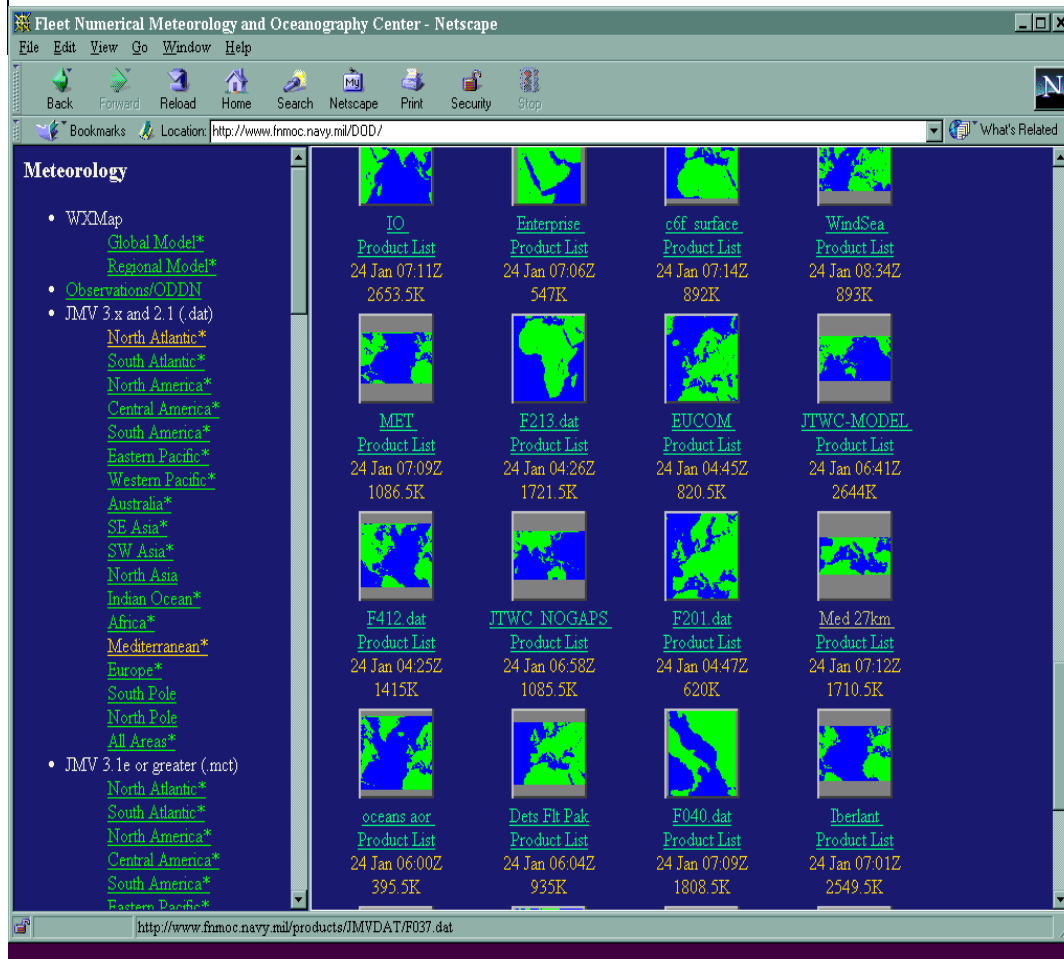
Joint Metoc Viewer (JMV) Version 3.4

Updated: January 24, 2001

The screenshot shows the CONUS (Continental United States) weather map interface. The map displays a high-pressure system (H) over the central US and a low-pressure system (L) over the Gulf of Mexico. A cold front (blue line with triangles) extends from the low pressure system northward. A warm front (red line with semicircles) is located to the east of the low pressure system. Precipitation is shown in green and yellow areas. The map includes latitude and longitude markings. The interface includes a menu bar (File, Edit, Display, Tools, Time, Loop, Export, Configure, Slides, Window, Help) and a toolbar with various icons for map manipulation. A status bar at the bottom shows the current view (Main) and a list of map elements (Redo, Low, High, Warm, Cold, Stat, Ocol, TS, Cloud, Trough, Jet, Wind, T, 1000, Text, T, Flip, 1, Main).

1. Downloading
2. Selecting Products
3. Looping Products
4. Color Fill Setup
5. JMV & Meso-Models
6. Data Thinning

Data Thumbnails



- At Regional Centers web sites
- Two Versions
 - Predetermined
 - products
 - User selectable

FNMOC Product Lists

The screenshot shows a Netscape browser window titled "Fleet Numerical Meteorology and Oceanography Center - Netscape". The address bar displays "http://www.fnmoc.navy.mil/DOD/". The left sidebar contains a "Meteorology" menu with links to WXMap, Global Model*, Regional Model*, Observations/ODDN, and JMV 3.x and 2.1 (.dat). Below these are regional links for North Atlantic*, South Atlantic*, North America*, Central America*, South America*, Eastern Pacific*, Western Pacific*, Australia*, SE Asia*, SW Asia*, North Asia, Indian Ocean*, Africa*, Mediterranean*, Europe*, South Pole, North Pole, All Areas*, and JMV 3.1e or greater (.mct). The main content area is titled "Product List" and shows coordinates for a 9km MED area: top of screen 45.7N, bottom screen 37.2N, right screen 22.3E, and left screen 12.1E. Below this is a section for "Products for 9km MED" which lists various meteorological reports and their corresponding times.

Meteorology

- WXMap
 - [Global Model*](#)
 - [Regional Model*](#)
- [Observations/ODDN](#)
- JMV 3.x and 2.1 (.dat)
 - [North Atlantic*](#)
 - [South Atlantic*](#)
 - [North America*](#)
 - [Central America*](#)
 - [South America*](#)
 - [Eastern Pacific*](#)
 - [Western Pacific*](#)
 - [Australia*](#)
 - [SE Asia*](#)
 - [SW Asia*](#)
 - [North Asia](#)
 - [Indian Ocean*](#)
 - [Africa*](#)
 - [Mediterranean*](#)
 - [Europe*](#)
 - [South Pole](#)
 - [North Pole](#)
 - [All Areas*](#)
- JMV 3.1e or greater (.mct)
 - [North Atlantic*](#)
 - [South Atlantic*](#)
 - [North America*](#)
 - [Central America*](#)
 - [South America*](#)
 - [Eastern Pacific*](#)

Product List

Area name 9km MED
top of screen 45.7N
bottom screen 37.2N
right screen 22.3E
left screen 12.1E

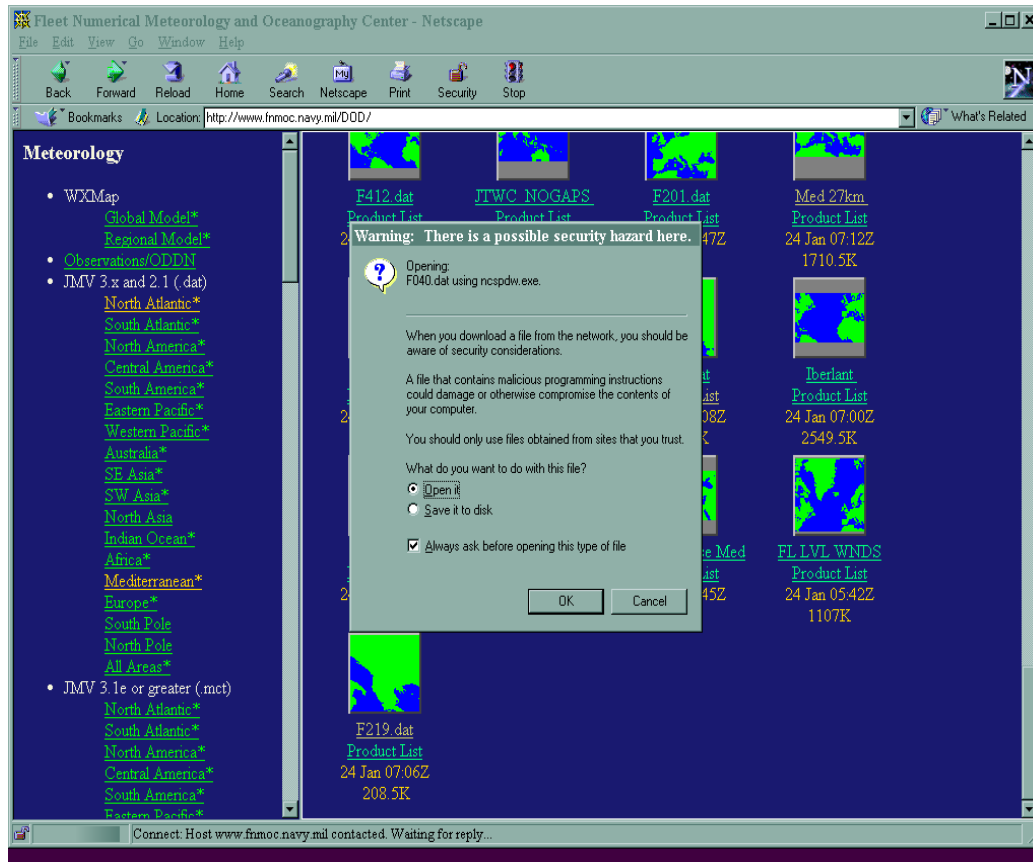
Products for 9km MED

SYNOPTIC REPORTS

SURFACE PRESSURE [COAMPS]	00 06 12 18 24
SURFACE AIR TEMPERATURE [COAMPS]	00 06 12 18 24
SURFACE WIND [COAMPS]	00 06 12 18 24
12HR PRECIPITATION [COAMPS]	06 12 18 24
925MB HEIGHT [COAMPS]	00 06 12 18 24
925MB TEMPERATURE [COAMPS]	00 06 12 18 24
925MB WIND [COAMPS]	00 06 12 18 24
925MB RELATIVE HUMIDITY [COAMPS]	00 06 12 18 24
850MB HEIGHT [COAMPS]	00 06 12 18 24
850MB TEMPERATURE [COAMPS]	00 06 12 18 24
850MB WIND [COAMPS]	00 06 12 18 24
850MB RELATIVE HUMIDITY [COAMPS]	00 06 12 18 24
700MB HEIGHT [COAMPS]	00 06 12 18 24
700MB TEMPERATURE [COAMPS]	00 06 12 18 24
700MB WIND [COAMPS]	00 06 12 18 24
700MB RELATIVE HUMIDITY [COAMPS]	00 06 12 18 24
500MB HEIGHT [COAMPS]	00 06 12 18 24
500MB TEMPERATURE [COAMPS]	00 06 12 18 24
500MB WIND [COAMPS]	00 06 12 18 24
THICKNESS 1000MB-500MB	00 12 24
EVAPORATIVE DUCT HEIGHT [COAMPS]	00 06 12 18 24
3D DM/DZ	00 06 12 18 24

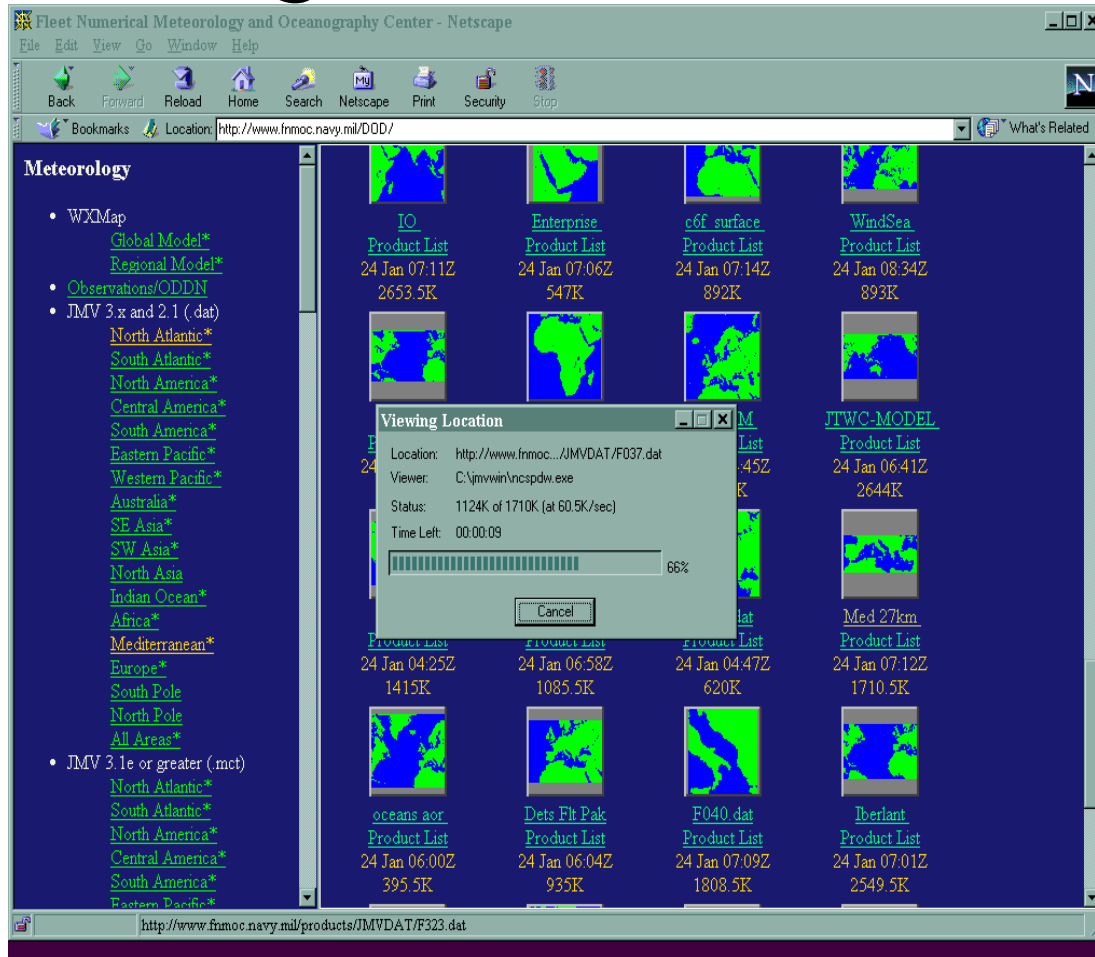
Document: Done

Save it/Open it?



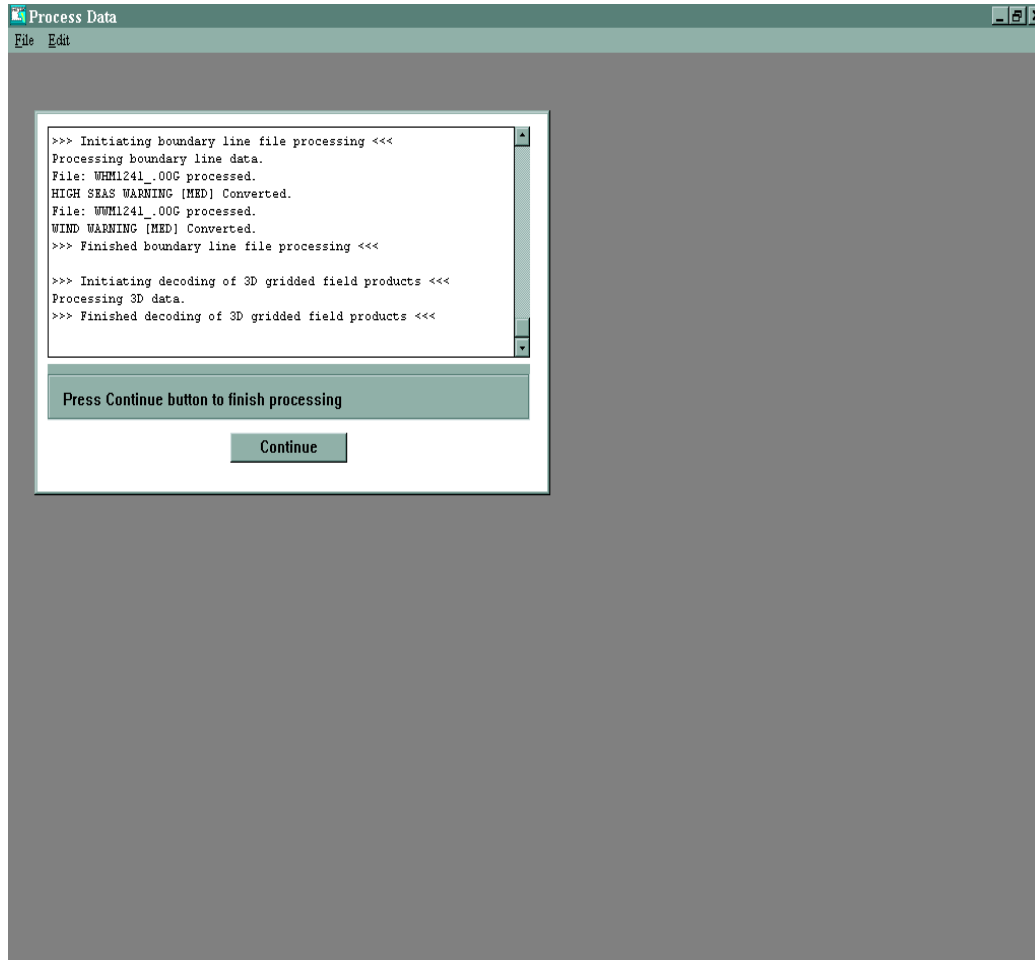
- Select Open it!
- Choose JMV application if prompted

JMV Downloading



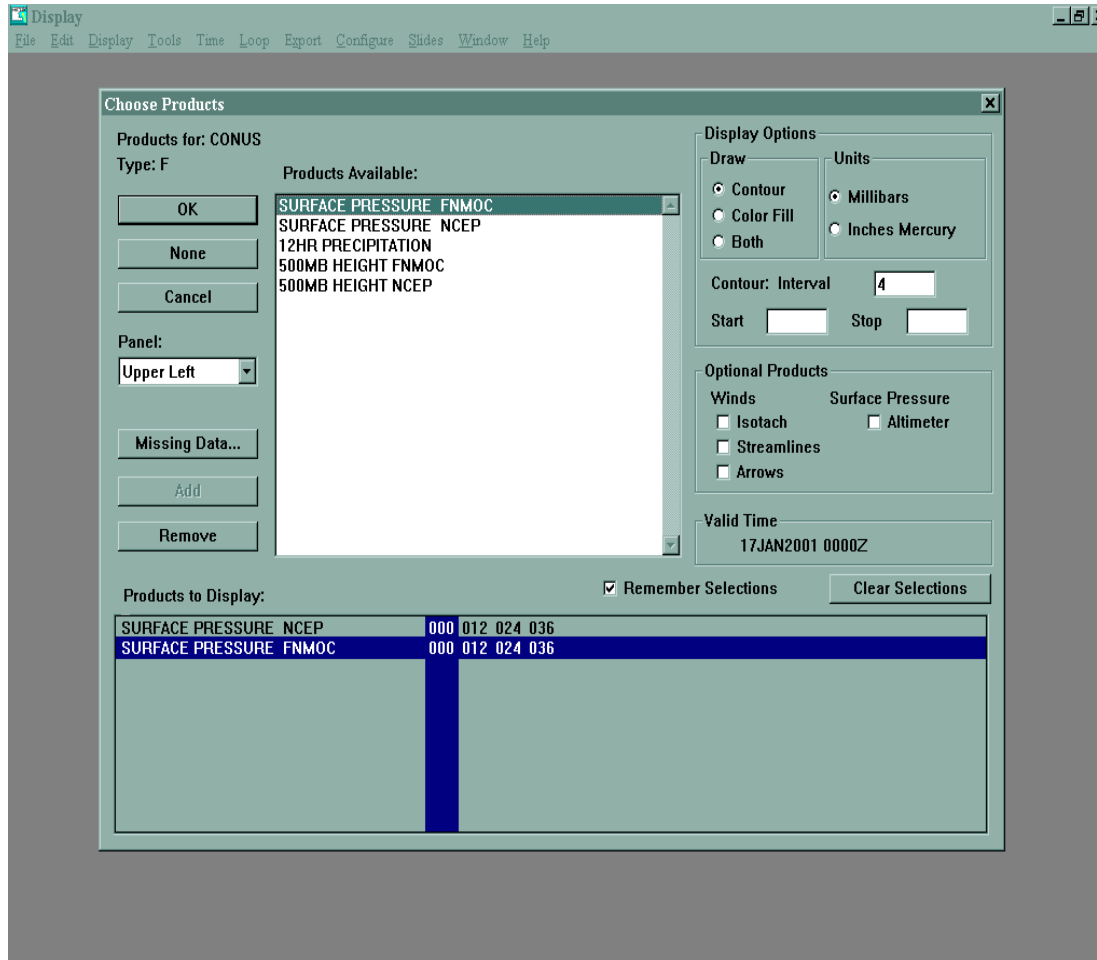
- Wait for download to complete ...

Download complete



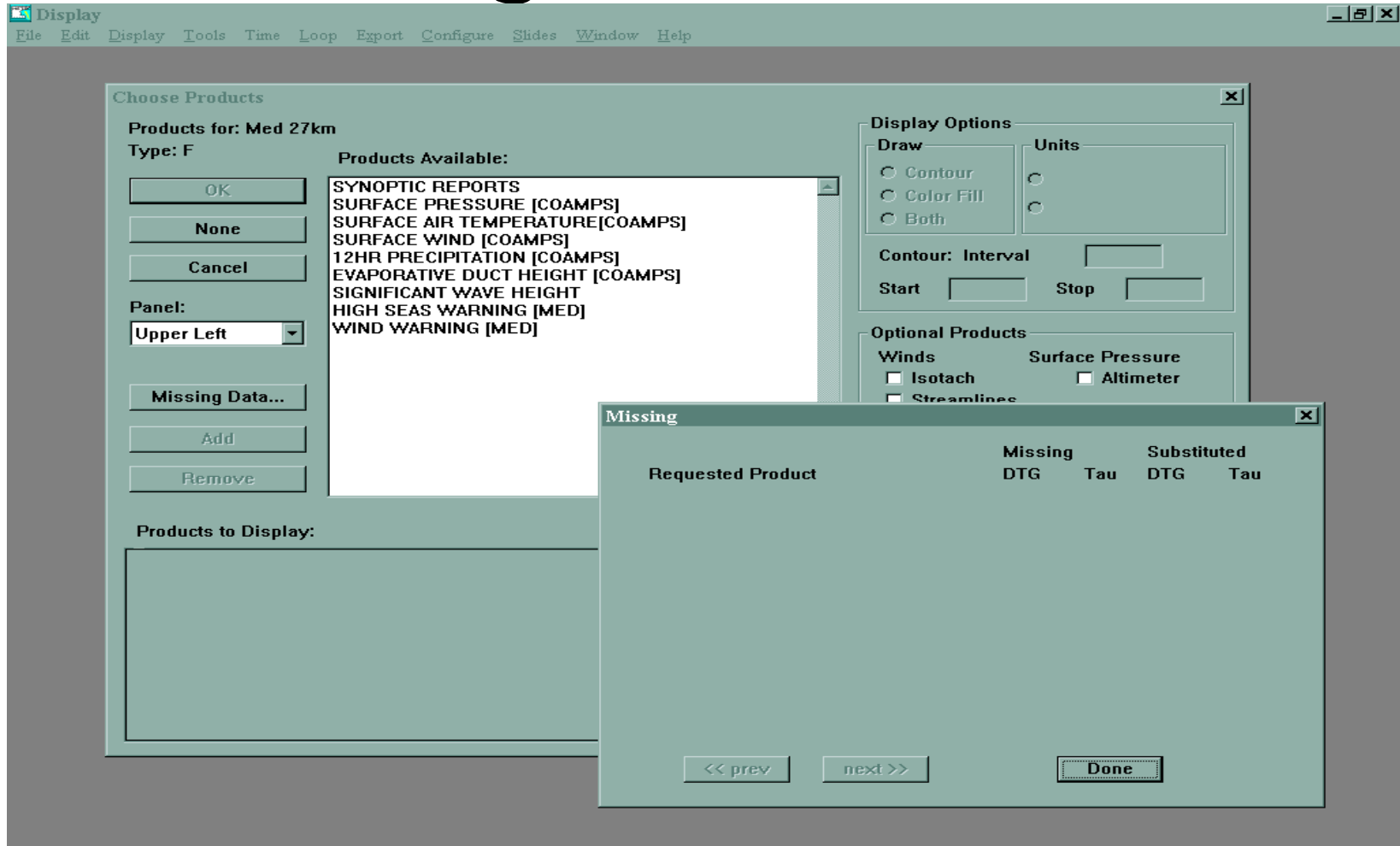
- The JMV data file will be loaded to the hard drive.
- Once done, select continue

Select Products

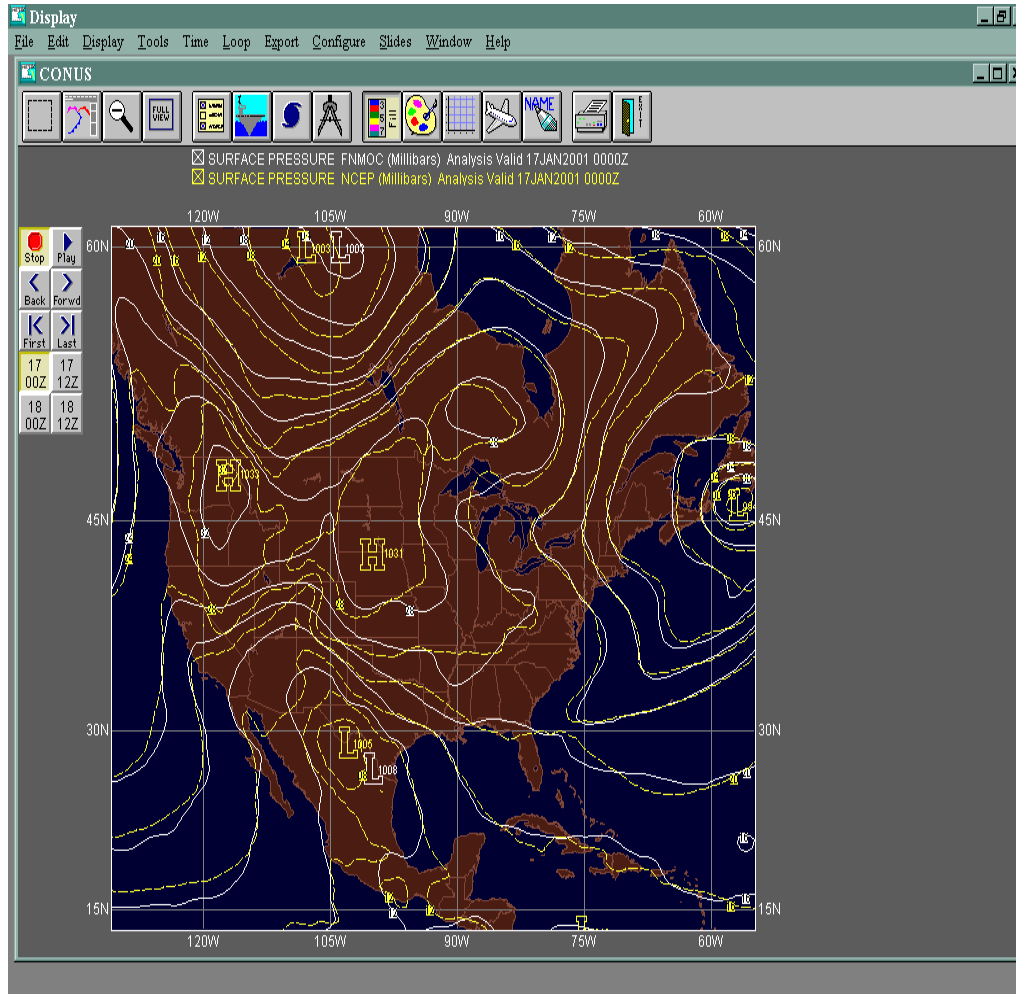


- Auto opens the JMV viewer
- Check for missing data!!!
- Select products by highlighting choices

Missing Product Data

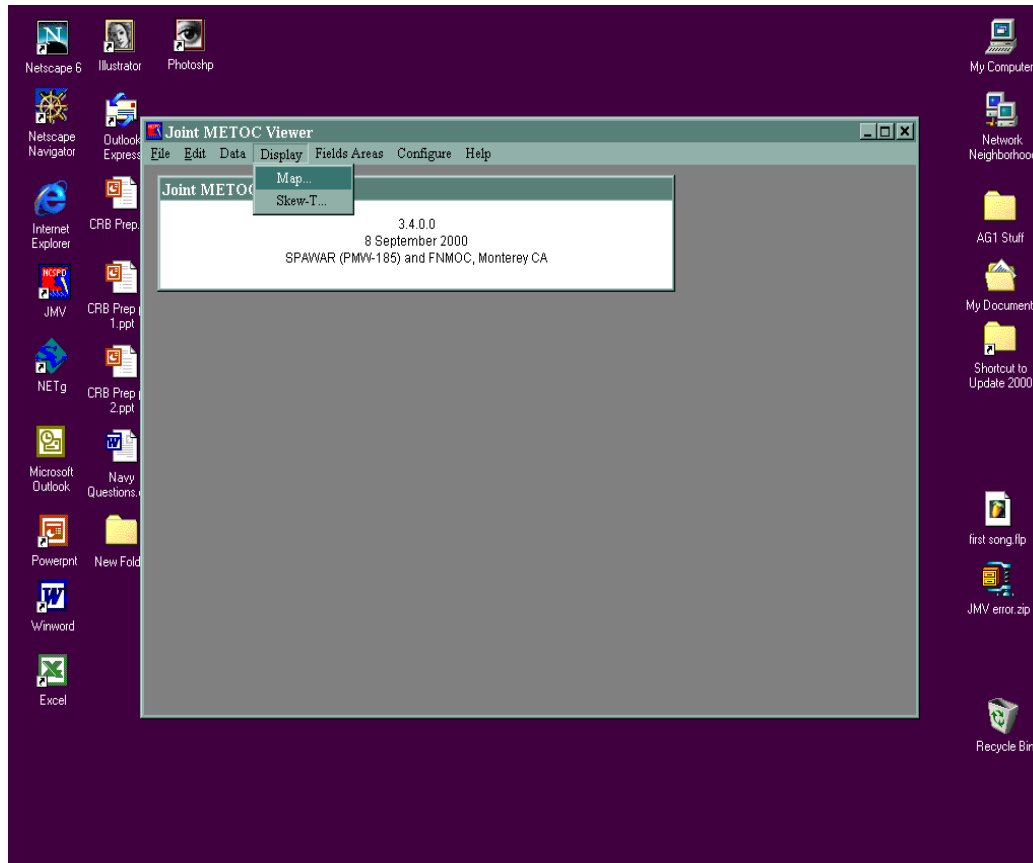


Product Display



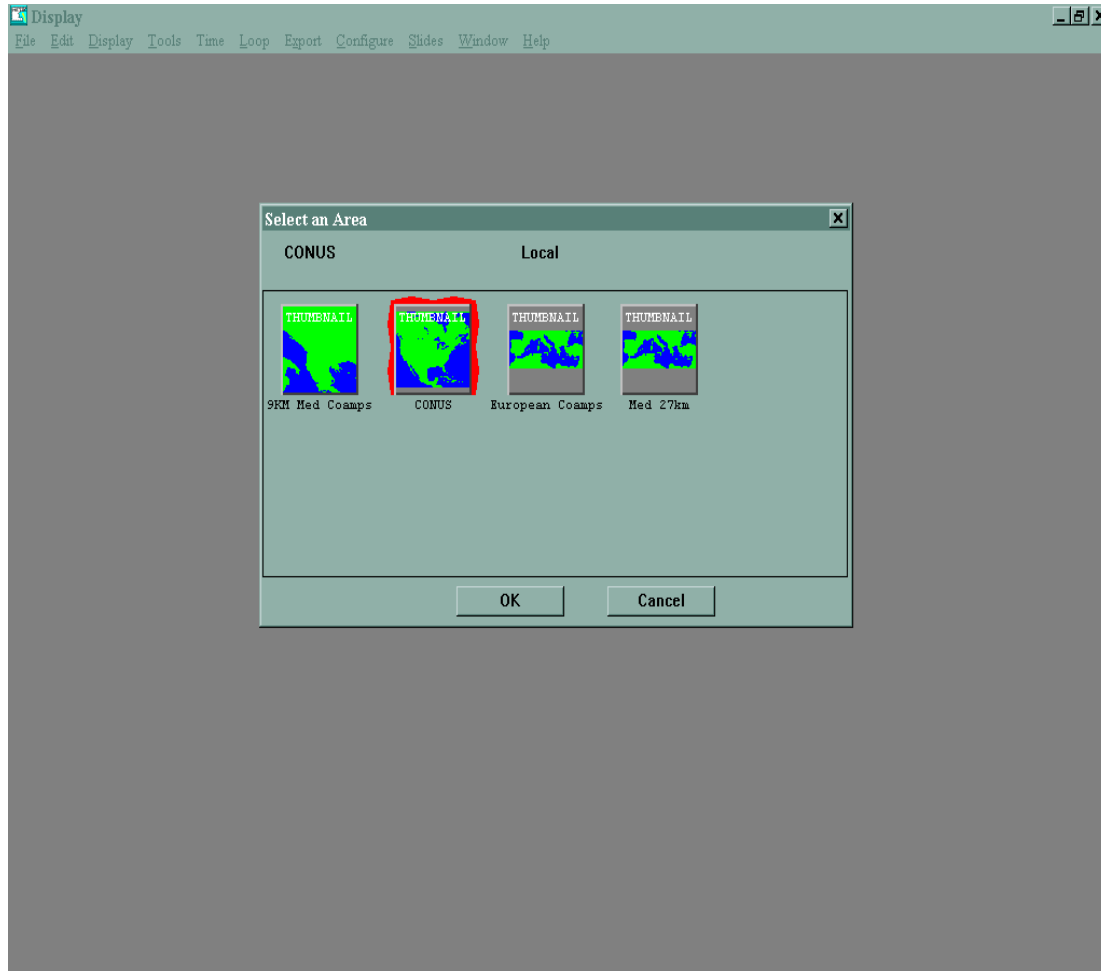
- Once select products are displayed
- Colors are set via the order selected

Splash Screen



- Don't re-download data unless new run is ready.
- Just open desktop application to view previous download data

Select Area



- Select Area to re-view area data